

680kW/48U

L2L In-Row CDU



The 680 kW CDU is a liquid cooling unit that removes heat generated by equipment through the secondary-side heat exchange via a plate heat exchanger, and transfers the heat away through the primary-side chilled water loop.

ADVANTAGE



PUMP REDUNDANCY

Adopts an N+1 pump configuration with cyclic switchover, ensuring continuous operation in case of single pump failure.



HIGH COOLING CAPACITY IN A COMPACT FOOTPRINT

Features a highly integrated piping design, with a footprint of only 1200 × 600 mm (L×W), and is capable of removing up to 680 kW of heat.



EASY MAINTENANCE ACCESS

The electrical control cabinet adopts a tiltable structure. During maintenance, such as removing filter elements or replacing pumps, the cabinet can be lifted via hydraulic supports, providing sufficient operating space.



FLEXIBLE MOVEMENT AND HANDLING

Equipped with four heavy-duty casters at the base. The bottom structure allows for forklift handling for easy loading, and also enables flexible movement on the floor for convenient repositioning.

SPECIFICATION

Technical parameter	680 kW / 48U / L2L CDU
Rated cooling capacity	680 kW @ 4.0°C ATD
Maximum flow rate – single pump operation	700L/min, external pressure difference 2.0bar
Maximum flow rate – dual pump operation for N+ redundancy	1050L/min, external pressure difference 3.4bar
Secondary coolant type	Pure water or PG25
Pump redundancy	Single pump (N) / dual pump (N+N) / dual pump switchover
Primary pressure drop	0.8 bar (PG25) under typical conditions (650 L/min)
Secondary coolant temperature range	10–55°C, with dew point control standard
Maximum power consumption	4.5 kW (Single pump) 7.3 kW (Dual pump)
Dimensions (H×W×D) and weight	1900mm×600mm×1050mm, 550kg
Noise level at 3m (10ft)	< 54 dBA
Power supply (Europe, Asia and Taiwan)	3P 380-480V 50/60Hz
Dual power supply (ATS)	Optional features
Primary connections	Top or bottom, 2½-inch sanitary flange
Secondary connections	Top or bottom, 2½-inch sanitary flange
Secondary filtration	Optional 50um/20um
Communication	RS485 RTU modbus, TCP/IP SNMP